

Title (en)

FACE STRUCTURE ESTIMATION DEVICE, FACE STRUCTURE ESTIMATION METHOD, AND FACE STRUCTURE ESTIMATION PROGRAM

Title (de)

GESICHTSSTRUKTURSCHÄTZVORRICHTUNG, GESICHTSSTRUKTURSCHÄTZVERFAHREN UND  
GESICHTSSTRUKTURSCHÄTZPROGRAMM

Title (fr)

DISPOSITIF D'ESTIMATION DE STRUCTURE DE VISAGE, PROCÉDÉ D'ESTIMATION DE STRUCTURE DE VISAGE, ET PROGRAMME  
D'ESTIMATION DE STRUCTURE DE VISAGE

Publication

**EP 4170585 A4 20240410 (EN)**

Application

**EP 21826160 A 20210603**

Priority

- JP 2020106437 A 20200619
- JP 2021021272 W 20210603

Abstract (en)

[origin: EP4170585A1] A facial structure estimation apparatus includes a controller 13. The controller 13 stores, as learning data, a parameter indicating a relationship between a face image and a structure of the face image. The controller 13 learns a relationship between a first face image and a facial structure corresponding to the first face image. The controller 13 learns a relationship between a second face image of a certain person and a facial structure corresponding to the second face image. The controller 13 learns a relationship between a second face image of the certain person detected using infrared light and a facial structure corresponding to the second face image.

IPC 8 full level

**G06T 7/00** (2017.01); **G06F 18/214** (2023.01); **G06V 10/82** (2022.01); **G06V 40/16** (2022.01)

CPC (source: EP US)

**G06F 18/214** (2023.01 - EP); **G06V 10/82** (2022.01 - EP); **G06V 40/164** (2022.01 - US); **G06V 40/166** (2022.01 - US);  
**G06V 40/168** (2022.01 - EP); **G06V 40/172** (2022.01 - EP)

Citation (search report)

[I] DONG XUANYI ET AL: "Teacher Supervises Students How to Learn From Partially Labeled Images for Facial Landmark Detection", 2019 IEEE/ CVF INTERNATIONAL CONFERENCE ON COMPUTER VISION (ICCV), IEEE, 27 October 2019 (2019-10-27), pages 783 - 792, XP033723448, DOI: 10.1109/ICCV.2019.00087

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 2023237834 A1 20230727; WO 2021256287 A1 20211223

DOCDB simple family (application)

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